	484 In-Class Worksheet #7 – Autumn 2019
	e:
Ema	l address:
	er names for this activity:
Will	ou want to pick up your worksheet later? Circle one: Yes / No
Q1:	What might be a good value for a stack canary?
	The goal of this code is to allow a program to open regular files, but not symlinks. int openfile(char *path) { struct stat s; if (stat(path, &s) < 0) return -1; if (!S_ISRREG(s.st_mode)) { error("only allowed to regular files!"); return -1; } return open(path, O_RDONLY); } you spot any potential problems? What problems do you spot, if any?
Q3:	Consider this code: char buf[80]; void vulnerable() { int len = read_int_from_network(); char *p = read_string_from_network(); if (len > sizeof buf) { error("length too large, nice try!"); return; } memcpy(buf, p, len); }
And	note the following definitions:
	void *memcpy(void *dst, const void * src, size_t n);
	typedef unsigned int size_t;
Can	you spot any potential problems? What problems do you spot, if any?

```
Q4: Consider this code:
    size_t len = read_int_from_network();
    char *buf;
    buf = malloc(len+5);
    read(fd, buf, len);
Can you spot any potential problems? What problems do you spot, if any?
```

Q5: What issues, if any, do you see with the following code for password comparisons?

// The following is the functional description of the code -- what it should do PwdCheck(RealPwd, CandidatePwd) should:

Return TRUE if RealPwd matches CandidatePwd Return FALSE otherwise RealPwd and CandidatePwd are both 8 characters long